

Fourth GAIN World Conference,

Paris, France June 14-15, 2000

Airline Safety Event Sharing Systems Prototypes xwave System

Robert Aubé Project Manager, xwave solutions

Contractor to Transportation Development Centre, Transport Canada

Outline

- System Overview
- Using the System
- System Architecture
- Features
- Security
- Cost
- Screen Captures
- Prototype URL



Overview

- Web tool used to query participating airline safety data
- User can contact the originator of an SSR (Standard Sharing Report)
- Data is extracted from the existing airline safety database into a database subset through an automated process
 - Airlines only make available the data they choose



Overview

- System has access only to the database subset
- System can be configured to query any airline system
 - BASIS, AQD, AVSHARE, AERO, In-house system, etc.



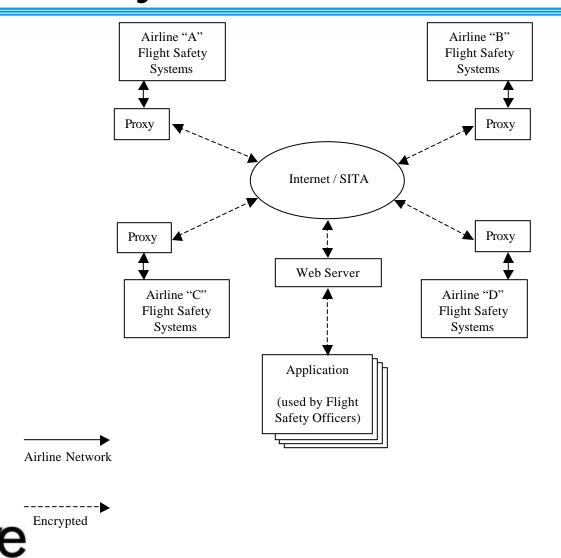
System Operation

- User logs into a Web site with an 128-bit browser
- Search criteria is entered
- Query is submitted to the Web Server
- Web server queries each airline database subset
- Web server displays the results in the SSR format
- User can send a message to the originator requesting additional information
- Originator contacts the user (optional)





System Architecture



Features

- Very secure
- Easy to use
- Instant results
- Web server centrally controls access
 - Airline/User profile updates
- Broadcast capability
- Anytime, anywhere real-time system
- No software updates required



Security

- Web server is a 'known host', and is the only server able to connect to the airline proxy
- 128 bit data encryption
- Remaining connections are over a VPN (Virtual Private Network)
- Failed logon attempts are logged
 - 3 consecutive attempts trigger a notification

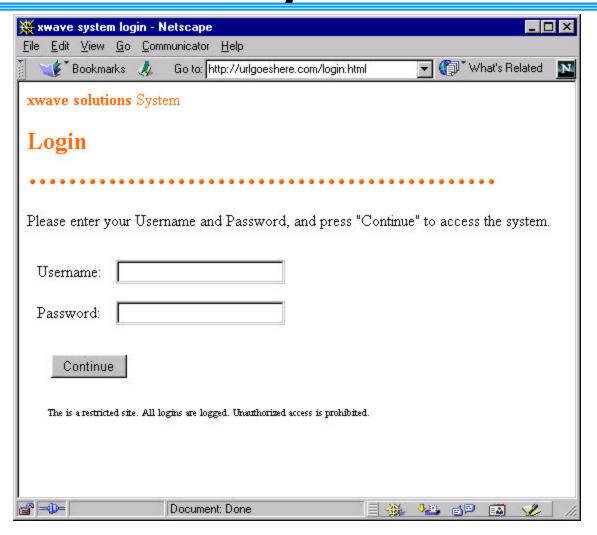


Setup & Operating Costs

- One time initial cost to create database subset and the automatic extraction process.
- Yearly maintenance estimated at 1 person day per year.
- No software requirements other than a 128 bit Web Browser.
- Proxy PC connected to Internet/SITA.

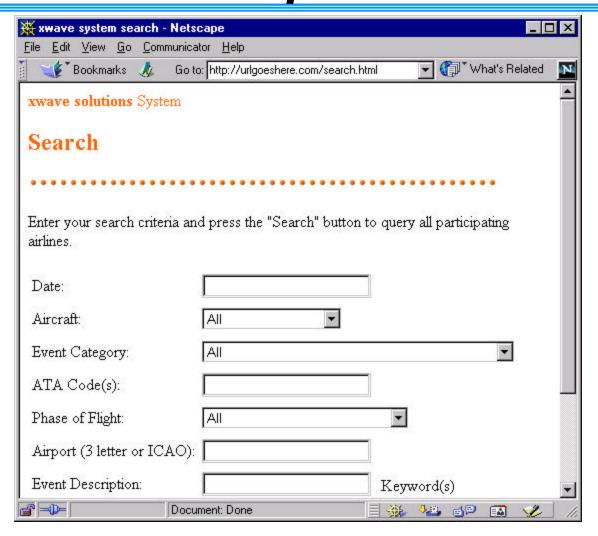


Screen Captures - 1/5



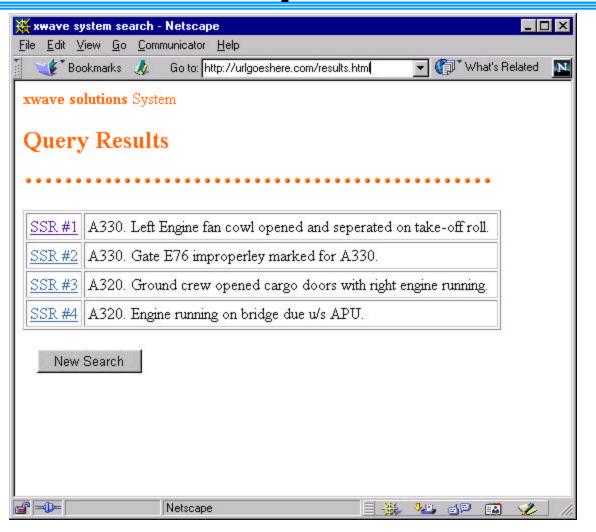


Screen Captures - 2/5



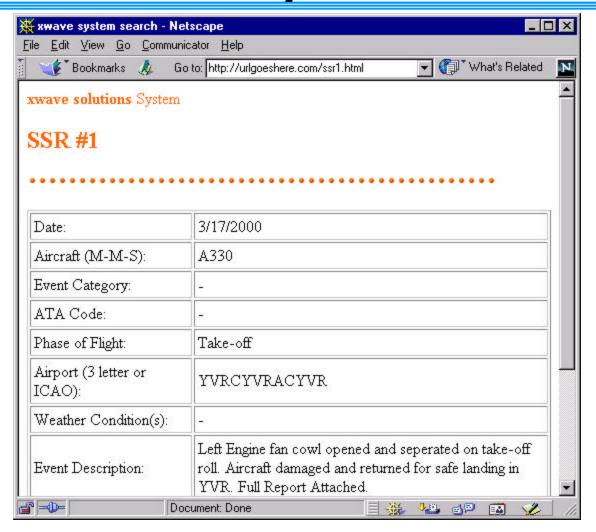


Screen Captures - 3/5



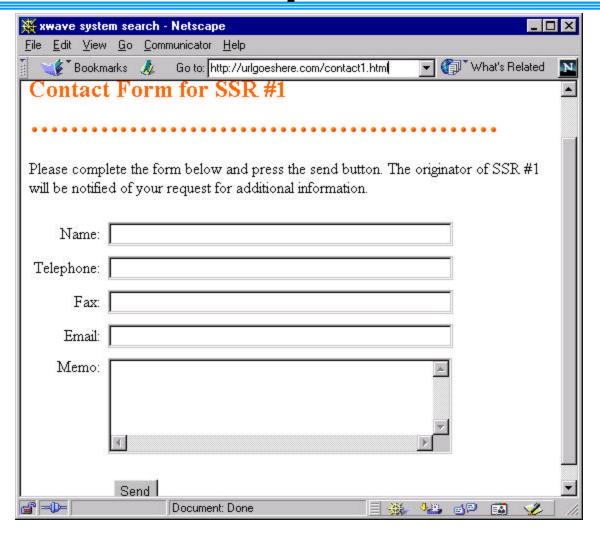


Screen Captures - 4/5





Screen Captures - 5/5





Prototype URL

http://condo.sofkin.ca/~raube/ssr/index.html

Thank You

